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High-performance liquid chromatography-electrospray ionization mass spectrometry of single-and double-stranded nucleic acids using monolithic capillary columns

A Prenstaller. If Oberacher...... Analysisal chemistry, 2000 - ACS Fullinications ... rapid chromatographic separation of large molecules having low diffuses such as nucleic acids... to circumvent intraparticular diffusion is the complete elimination of the support pores resulting in ... 27,35 crossquently to maintain the separation speed and performance upon the ... Cleaf by 224 - Raisa or arrisals - Li Direct - All 5 werschist.

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greater ... The method of daim 17, wherein said molecules are nuclee acids. ... The method of daim
17, wherein said inorganic separating media enables separation of proteins in western ...

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Electrophoretic inorganic porous material
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Nucleic acid separation using immobilized metal affinity chromatography n. purine or pyrimidine moleilies or groups such as RNA and other single stranded nucleic acids followed or preceded by a zone designed to affect a separation of the ... This type of compound column can be made using monolifit technology and running a small amount of ... Theoretical aspects of separation using short monolithic beds

Application of membranes and compact, porous units for the separation of biopolymers D Jose. Industrial 8 empireeling ofernishly research 1997. ACS Publications in unless that is not limited to the separation of proteins but includes other complex biopolymers such as nucleic acids. ... Because of the lack of smaller pores, the specific surface of the support is very small, recommending. Table 1. Review of Some Commercially Available Fast Separation Materials. ... Claim 16.72 - Pelated stricks - Bt. Direct - 68 overance.

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Capillary electrochromatography in anion-exchange and normal-phase mode using monolithic

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M Lammentoler, Pales of the model pore size of a monolith prepared from a mixture containing 32 ... or high contents of the ionizable motomer; less than ideal and the complete separation of the ... This results in the creation of monoliths with pore volumes smaller than the theoretical value or ...

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Application of the second of t

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... the latter is eminently suited for the separation of single- and outloub-stranded nucleic acids ... 26

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Column for DNA separation by matched ion polynucleotide chromatography

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... liquid sample (I) containing a target substance in contact with a **separation** medium/separatory ... the target substance include biological components composed of amino acids, saccharides, nucleic acids, etc. ... liquid may be able to flow through this kind of pore system (penetrability ... Diled by 1 - Related articles -

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Column for DNA separation by matched ion polynucleotide chromatography

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Stimulus responsive affinity chromatographic material and separation/purification method if ramanaka... US Pateri App. 20,160 ..., 203 - Respectentsortine.com ... which interacts with the target substance include bicomponents composed of amino acids, sugars, nucleic acids and ... the support matrix is in the form of beads packed into a separation material, the ... Pores having a size of not greater than 0.5 um (for example, not greater than 0.5 um (for example, not greater than a...

Modes of CEC separation

Coll Strategy and Modes and Cec separation of Chromatography ... 2001 - Elevater Coll Strategy and Modes and ... Journal of Chromatography ... 2001 - Elevater ... rigid porous polymer Size, charge and partition CEC packed SEC Controlled pore size silica ... 106-110 separation of a range of large profelies using a custom synthesised tentacular anion ... used to separate nucleobases and even strongly addic analytes such as nucleic acids of ... Calastica 2. Selection and Calastica 2. Selection 2. Sel

Polymeric monolithic stationary phases for capillary electrochromatography

resis, 20

Polymeric support having novel pore structures in an alternative embodiment, the surface of the primary and/or secondary pores has been rendered hydrophilic. ... to the invention can be used as a chromatographic adsorbent for isolation or separation of binomicoules, such as proteins, nucleic acids, such as ...

Inorganic monolithic mouldings coated with organic polymers
Z.Bayram-tahin, K. Unger... - US Patent App......2003 - freepatentsontine.com
... employed for the separation or purification of biological materials, such as proteins, nucleic acids,
etc... conditions arise in the monolith, again resulting in an impairment of the separation properties....
in addition, a suitable choice of the pore structure of the inorganic moulding and of ...

Capillary electrochromatography: a rapidly emerging separation method F Syec - Modern Advances in Chromatography, 2002 - Sonneer

F Sver - Modern Advances in Chromatography, 2002 - Springer to the Chromatography, 2002 - Springer to pack. The effect of pore size on CEC separation was also studied in detail [70-75]. Figure 9 shows the van Deemler plots for a series of 7-µm ODS particles with pore size ranging from 10 to 400 nm. The best efficiency ...

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Separation and analysis of pertities and proteins Children and Indiana (Indiana). Ambiguer 1, 1965 A.C.S Publications Children M. 2010. https://dx.d.S.Publications.in.N-isopropylacrylamide (10-30) were used to chemically coal wide-pore glass (mean pore diameter 2004, A particle size 0.16–0.31 mm). This material was then packed into 9 x 1 or glass columns and used for the separation of proteins. ...

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... Since all the mobile phase must flow through the monolith, the mass transport within ... The applications of monolithic materials are demonstrated on the chromatographic separation of biological ... Grafting of the pore walls with selected polymers leads to materials with completely ... Chesips JT - Mediated artificial - SIL Eurest - 48 5 years

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Small pores and large surface areas are essential for the HPLC of small molecules, whereas the
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Batterion D. Lubda. "Durallo of proteopies agento, 2003—ACS Fieldinations
of the cells and soluble components from the human lung (phospholipids, nucleic acids, and ...
diffusion barrier, namely the use of silica particles with an appropriate pore ciliameter of ... Figure
8 Reversed phase separation on a Chromotith CapRod RP f8e monofithic silica capillary ...
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KK Mitchelsch... - IDLiefa.Mary Electrophoresis of Nucleic Acids Edited by: KR Mitchelson and Ching & Human a Fress Intel., Totowa, N 1. i. of capillary electrophoresis (CF) lechnology has been rapid ower the past three years for application to the analytical separation in a ... Ralasquaridate: - ylaw sel FMTA. - All S -various to the analytical separation in a ...

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Recent progress in high-performance capillary bioseparations

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perioles and PSDVB monolith in a capillary column format for the separation of proteins ... the basis
of PSDVB, we found that in addition to proteins, pepties, and nucleic acids also ...
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... The ratio between the pore diameters of the micropores may in the preferred variants extend
up to 0.05 but is otherwise ..., 10048] Beads having densities above about 1 gcm 3 (in a wet swollen
state) are used in separation methods involving ... (1059) (g) complementary nucleic acids ...

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add hybridization... (10048) In a preferred embodiment of the invention, the chromatographic
separation medium comprises nonprorus beads, ie, beads having a pore size that ...
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FJ OBTIET-US Patient App. 20,020/150,692, 2000 · freepatient/sonline.com

... Any of a number of commercially available reverse phase solid supports may be utilized in the present nucleic acid separation method, although ... A porous stationary phase may contain more than one type of pore or pore system, eg, containing micropores (less than about ...

Calcium phosphate microcarriers and microspheres

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... The ratio between the pore diameters of the macropores and the bead diameter typically ... IoG etc), (0569 (d) chelators and chelates, 10057 (e) complementary nucleic acids, 10058 ... EXPERIMENTAL PART Example (10061) Determination of the Hydrophobicty of Separation Media ...

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PDFI Douglas T. Gjerde, Christopher P. Hanna, David Hornby

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methods are useful e for recovery of biomolecules, such as nucleic acids and ... 5,334,310 discloses
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... in the use of biomolecules for the selective extraction, delivery, separation, conversion and ... species, including enzymes, antibodies, regulatory profeins, membrane-bound profeins, nucleic acids and even ... for electrochemical sensors and (c) they have a tuneable pore size and ... Clied by 377 - Related articles - All 5 yers.cms

Macroporous cross-linked polymer particles
1 Sodeman - US Patent App. 20,050143,447, 2003 - freepatentsonline.com
...separation methods are useful eg for recovery of biomolecules, such as nucleic acids and ...
5,334,310 discloses a liquid chromatographic column that cortains a separation medium in the
form of a ... Such a large pore diameter range is advantageous for monoliths to allow a high. ... Cached

Method and system for the preparation of cDNA

Method and system for the preparation of cDNA

THE Patent ... 2003 - Google Patents

Kn Hecker, A Azaran, U Promby... - US Patent ..., 2003 - Google Patents
In another preferred embodiment, the library of cDNA inserts comprises CDNA inserts residing
in nucleic acid vectors, such as plasmids and phage vectors, which are preferably maintained
in host... - 1's in another embodiment, the separation medium comprises a monolith. ...
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Quantitative fast fractionation of a pool of polyclonal antibodies by immunoaffinity membrane chromatography

Chromatography
GN Pankova, N Pinka... - of Chromatography A, 1996 - Elsevier
... such as proleolysis [19, 20, 21, 22, 23, 24, 25 and 26], hydrolysis of loucleic acids [19 ...
chromatography (FPMC) is a very useful separation method that allows to carry out the separation
of complex ... The porcus polymer had a mean pore size of 800 nm, a pore volume of 0.6 milml ...
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Temperature-modulated array high-performance liquid chromatography

n premisalier, W Xiao, H Oberacher... Genome ... 2011 - genome catilogia.
... the ratio of styrene to divinylbenzene affect the degree of polymerization and, consequently, pore size... pressure was greater in case of the capitary columns that relained the nucleic acids longer... 2011 - genuino sensitive to temperature ...
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